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ENHANCING CAPACITY FOR LOW EMISSION DEVELOPMENT STRATEGIES (EC-LEDS) CLEAN ENERGY PROGRAM

QUARTERLY PROGRESS REPORT

OCTOBER 1, 2015 – DECEMBER 31, 2015

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DISCLAIMER
The author's views expressed in this publication do not necessarily reflect the views of the United States Agency for International Development or the United States Government.

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ACRONYMS

AD	Analytic Department
AOR	Agreement Officer's Representative
ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers
BAU	Business as Usual
BP	British Petroleum
BREEAM	Building Research Establishment Environmental Assessment Method
CBSM	Community Based Social Marketing
CC	Climate Change
CFL	Compact Fluorescent Lightbulb
CoM	Covenant of Mayors
COP	Chief of Party
DCA	Development Credit Authority
DCOP	Deputy Chief of Party
DWG	Decision Ware Group
EB	Energy Balance
EBRD	European Bank for Reconstruction and Development
EC-LEDS	Enhancing Capacity for Low Emission Development Strategies
E5P	Eastern European Energy Efficiency and Environment Partnership
EE	Energy Efficiency
EPBD	Energy Performance of Buildings Directive
EU	European Union
EWG	Expert Working Group
FFC	Fast Forward Communications
G4G	Governance for Growth
GALA	Georgian Association of Landscape Architects
GB	Green building
GBCG	Green Building Council Georgia
GDP	Gross Domestic Product
GE	Georgia
GEC	Grants Evaluation Committee
GeMunee	Georgian Municipal Energy Efficiency
GHG	Greenhouse gases
GIZ	Intended Nationally Determined Contribution
GOG	Government of Georgia
GTU	Georgian Technical University
ICC	International Code Council
IECC	International Energy Conservation Code
INDC	Intended Nationally Determined Contribution
JRC	Joint Research Center
LED	Low emission development
LEED	Leadership for Energy and Environment Design
LEDS	Low Emission Development Strategy (ies)
MOE	Ministry of Energy
MoENRP	Ministry of Environment and Natural Resources Protection
MoESD	Ministry of Economy and Sustainable Development
MOU	Memorandum of Understanding
MRV	Monitoring, Reporting and Verification
Muni-EIPMP	Municipal Inventory, Projection and Mitigation Planning
NAMA	Nationally Appropriate Mitigation Actions
NGO(s)	Non-Governmental Organization(s)
NTC	New Technology Fund
PEA	Programmatic Environmental Assessment

PR	Public Relations
PSA	Public Service Announcement
PWD	People with Disabilities
RFP	Request for Proposals
SC	Steering Committee
SCM	Steering Committee Meeting
SDAP-Center	Sustainable Development and Policy Center
SEAP	Sustainable Energy Action Plan
SEO	Sustainable Energy Office
SIDA	Swedish International Development Cooperation
SWG	Sub-Working Group
TOT	Train-the-Trainer
USA	United States of America
USAID	United States Agency for International Development
USG	United States Government

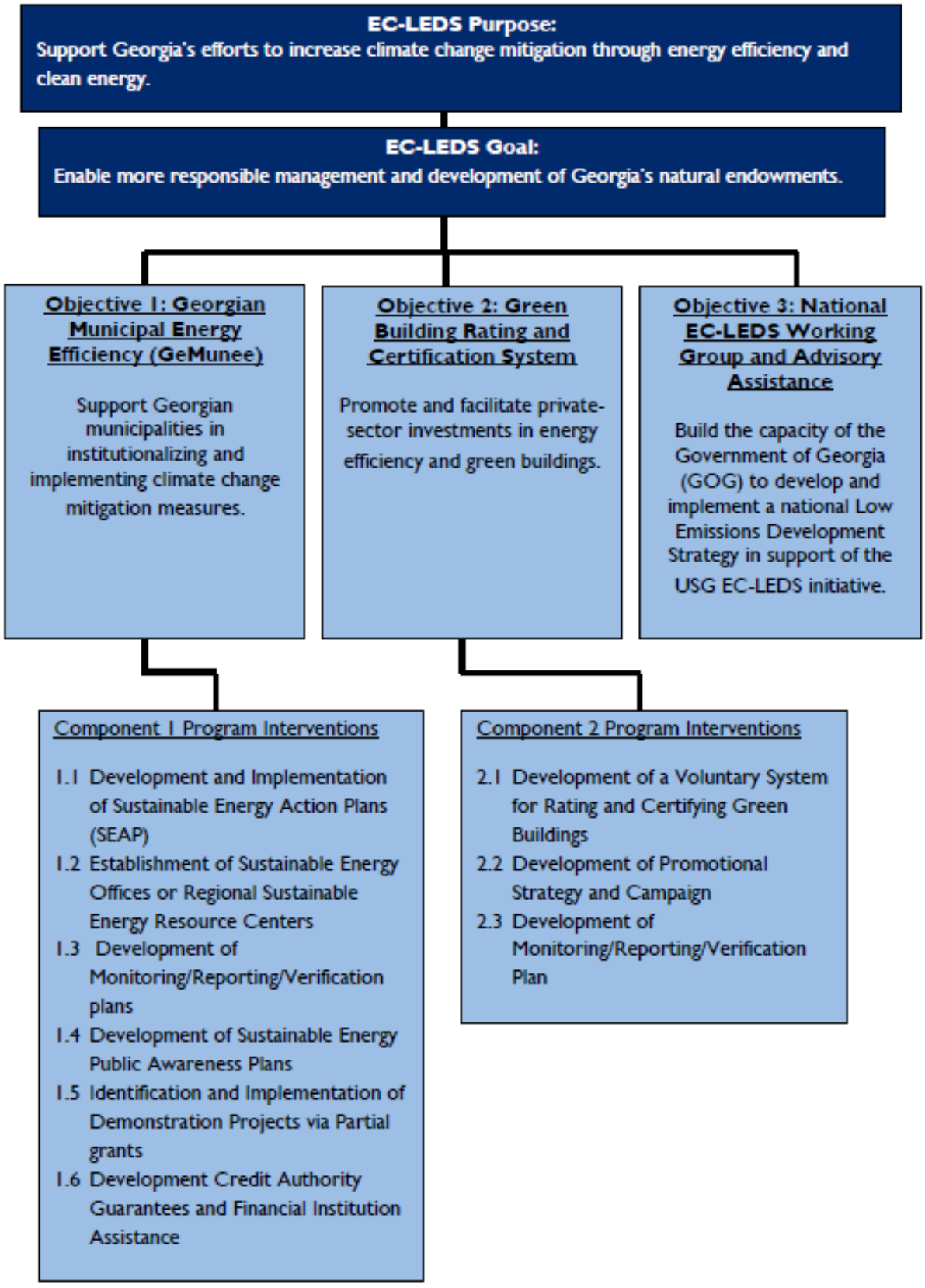
I. EXECUTIVE SUMMARY

Georgia's Enhancing Capacity for Low Emission Development Strategies (EC-LEDS) Clean Energy Program, funded by the United States Agency for International Development (USAID), is a four-year (October 2013 – September 2017) effort focusing on three activities: 1) Georgian Municipal Energy Efficiency (GeMunee); 2) Green Building Rating and Certification System; and 3) National EC-LEDS Working Group and Advisory Assistance. Winrock International has been awarded a cooperative agreement to implement Georgia's EC-LEDS Clean Energy Program to support climate change mitigation by building municipal capacity in climate change mitigation measures and raising public awareness; increasing private sector investment in energy efficiency (EE) and green buildings (GB); and strengthening Government of Georgia (GOG) capacity to develop and implement a national Low Emission Development Strategy (LEDS). This report describes year three, quarter one activities of the EC-LEDS Clean Energy Program covering the period October 1, 2015 through December 31, 2015.

The objectives of the EC-LEDS program are to (1) support Georgian municipalities in institutionalizing and implementing climate change mitigation measures, (2) promote and facilitate private sector investment in energy efficiency and green buildings, and (3) build the capacity of the GOG to develop and implement a national Low Emission Development Strategy in support of the United States Government (USG) EC-LEDS initiative. During the fouryears, the EC-LEDS Clean Energy Program is expected to reduce greenhouse gas (GHG) emissions in Georgia by at least 236,372.9 metric tons of CO_2 equivalent, facilitate up to $14 million in private sector investments in clean energy, and lead to energy savings of up to 315 GWh (the equivalent of approximately $22 million).

Figure 1, EC-LEDS Activities Map, illustrates the project purpose, goal, the objectives, and the program initiatives associated with each objective.

Figure 1. EC-LEDS Activities Map



II. YEAR THREE, QUARTER ONE HIGHLIGHTS

A. PROGRESS TO DATE

A summary of progress through end of year three, quarter one by selected indicators is provided below. If total cumulative actual to date is zero, the indicator is not included in the table below.

Table 1. Summary of Total Cumulative Actuals vs. LOP Target by Output and Outcome Indicators

Indicator	Type	Total Cumulative Actual (Y1+Y2+Y3/Q1)	Total Cumulative Target (Y1+Y2+Y3/Q1)	Y3 Target	LOP Target
OC2: Quantity of greenhouse gas (GHG) emissions, measured in metric tons of CO2equivalent ($CO2_{e)}$, reduced or sequestered as a result of USG assistance	Outcome	0	43,000	55,000	236,000
OC3:Energy saved due to energy efficiency/conservation projects as a result of USG assistance	Outcome	0	62,000	75,000	315,000
OC4:Value of private sector clean energy investments	Outcome	3.36	4	3.64	14
OC5: Number of local organizations positioned to receive USG funding and implement USG projects as a result of EC-LEDS assistance	Outcome	0	0	1	1
OC6:Percentage of individuals reached by the public awareness campaign who take at least one energy saving action	Ouctome	0	10%	10%	10%
OC7: Expected lifetime energy savings from energy efficiency or energy conservation, as a result of USG assistance (OC7)	Outcome	19929600	19929600	44583406.65	
OC8:Projected greenhouse gas emissions reduced or avoided through 2030 from adopted laws, policies, regulations, or technologies related to clean energy as supported by USG	Outcome	1699549.7	1699549.7	3237402	

assistance					
OP1:Number of low emission development plans developed and/or implemented as a result of USG assistance (LEDS, SEAP, other)	Output	7	7	3	10
OP2: Number of Sustainable Energy Offices (SEOs) or regional Sustainable Energy Resource Centers established in participating municipalities	Output	0	3	2	5
OP4: Number of stakeholders using climate information in their decision-making as a result of USG assistance.	Output	20	14	2	16
OP5: Number of laws, policies, strategies, plans, agreements or regulations addressing climate change mitigation officially adopted or implemented/proposed with USG assistance	Output	1	2	1	3
OP6: Number of climate change mitigation tools, technologies or methodologies developed, tested and/or adopted as a result of USG assistance	Output	2	2	2	2
OP7:Number of households/businesses/public institutions implementing energy efficiency measures as a result of USG assistance (# HHs, # businesses, # institutions)	Output	0	500	1000	1500
		0	2	8	10
		0	2	8	10
OP8: Number of climate change mitigation projects implemented as result of USG assistance	Output	2	5	15	20
OP10: Number of individuals reached through outreach campaigns	Output	518,204	500,000	250,000	1,000,000
OP 11: Number of USG-supported training or activities that contribute to building the EE knowledge and skills in the GOG, Municipalities, industry and other stakeholders	Output	36	36	14	50

OP13:Value of grants disbursed as a result of USG assistance for scientific research and energy efficiency pilot projects	Output	213910	300,000	$286,090	$500,000
OP14:Number of promotional plans and campaigns implemented to increase awareness of citizens about energy efficiency	Output	2	2	2	2
OP15: Number of beneficiaries receiving improved infrastructure services due to USG assistance	Output	0	1	2	3
OP16: Number of individuals receiving USG supported training in energy related policy and regulatory practices	Output	523	90	0	90
OP17: Number of MRV plans developed to track the impact of SEAP implementation	Output	7	7	3	10
OP18: Number of individuals at national and local level trained in climate change as a result of USG assistance	Output	266	50	20	70
OP22: Number of decisions made by LEDS steering committee or involved agencies using analysis based on MARKAL or other appropriate tools	Output	2	0	2	2

B. COMPONENT ONE HIGHLIGHTS

- Presented Tbilisi SEAP, MRV report, MRV Plan, and project proposal on kindergartens to Tbilisi Mayor and other relevant units to receive their final comments and feedback.
- Three proposals: (1) Sustainable Development Agency of Akhaltsikhe, (2) Programmatic Approach in Low-Emission Rehabilitation of Buildings, and (3) Energy Efficiency Lighting of Rabati Castle were presented and discussed during the second phase of the "Preparation of Project Proposals for GHG Mitigation Measures to be implemented in SEAP Sectors" workshop.
- As a result of a meeting organized by EC-LEDS brownfield concept partner firm, New Technology Center, it was agreed that a MoU will be signed between the Ministry of

Economy and NTC for cooperation of the Zugdidi brownfield concept and other similar projects in general.

- Akhaltsikhe Mayor announced that implementation of the project proposal related to establishment of Sustainable Development Agency would start immediately and that required funds have been allocated in municipality's 2016 budget.

C. COMPONENT THREE HIGHLIGHTS

- EC-LEDS intensified advisory services and technical assistance to the GOG and contributed a great deal to the GOG's preparation for the Paris Climate Summit 2015. The findings and research of EC-LEDS were very valuable for formulation of Georgia's position and then successful participation in this most important world forum related to Climate Change in the world. (Georgia INDC Commitment to UNFCCC)
- EC-LEDS worked with the Ministries of Environment and Natural Resources Protection, the Ministry of Energy, and the Ministry of Economy and Sustainable Development, as well as with project major stakeholders; special attention was made on advisory assistance and capacity building of the Climate Change office of MoENRP and the Analytical Department of the Ministry of Energy; in parallel the program worked on processing and analyzing the research and findings of the previous periods, which eventually were successfully reflected in Georgia's INDC.

III. ACTIVITIES COMPLETED DURING YEAR THREE, QUARTER ONE

A. COMPONENT ONE: GEORGIAN MUNICIPAL ENERGY EFFICIENCY (GEMUNEE)

i. Develop and Implement Sustainable Energy Action Plans (SEAPs)

Thirteen Georgian Cities and municipalities have become signatories to the Covenant of Mayors (CoM). As such, the EC-LEDS program has given those thirteen cities and municipalities priority for receiving technical assistance. The cities are Batumi, Gori, Kutaisi, Rustavi, Tbilisi, Zugdidi, Akhaltsikhe, Bolnisi, Telavi City, Telavi Municipality, Kazbegi, Tianeti, and Mtskheta. Due to delays in the development and submission of a Sustainable Energy Action Plan (SEAP) document, Poti City Hall is temporarily removed from the list of CoM signatories.

By this quarter, in addition to items detailed below, EC-LEDS also finalized the development and updating of seven SEAPs: Tbilisi, Batumi, Kutaisi, Zugdidi, Gori, Telavi, and Akhaltsikhe.

1. Develop Muni-EIPMP Analytical Tool

During quarter one, year three, EC-LEDS continued updating Muni-EIPMP to include estimations of emission reductions by different building insulation measures. These estimations are based on energy audits performed in seven cities (Tbilisi, Batumi, Kutaisi, Zugdidi, Gori, Telavi, and Akhaltsikhe) during their SEAP preparation. The cities will be able to measure GHG reductions as the result of the mitigation measures implemented.

2. Develop and Conduct Workshops and On-the-Job Training on SEAP Development and Monitoring

The second phase of the workshop entitled, "Preparation of Project Proposals for GHG Mitigation Measures to be implemented in SEAP Sectors" was held on November 27, 2015 in Tbilisi, at the Hotel Coste. Representatives from 13 CoM signatory municipalities participated in the training. The second phase was focused on project proposals started during the Batumi workshop and laterfinalized. Three proposals:

(1) Sustainable Development Agency of Akhaltsikhe,

(2) Programmatic Approach in Low-Emission Rehabilitation of Buildings, and

(3) Energy Efficiency Lighting of Rabati Castle were presented and discussed.

In addition, the low-emission building NAMA proposal which was developed by the Country was presented to the municipality representatives. EC-LEDS presented the Country's proposal in order to give the participants an understanding of the broader context of the paradigm shift planned by the Government in relation to INDC, Paris Treaty, as well as commitments within the EU association.

3. Assist in Developing, Revising, and Updating SEAPs for municipalities with Priority Needs

In quarter one of year three EC-LEDS evaluated CoM signatory self-governing units willing to receive SEAP development technical support from EC-LEDS. Information gathered through questionnaires, individual meetings, phone/e-mail consultations, and informal communication was analyzed and used to update the tables under eight different criteria developed by EC-LEDS in year one. Information was gathered from 14 municipalities over a one-month period, namely Akhaltsikhe, Batumi, Bolnisi, Gori, Kazbegi, Kutaisi, Mtskheta, Poti, Rustavi, Tbilisi, Telavi City, Telavi, Tianeti, and Zugdidi. Although the municipalities were not able to provide EC-LEDS with all the information needed for a full-scale update of the tables (i.e. energy consumption for 2012, 2013, 2014) the provided data, insights, intentions, and motivation revealed during individual meetings was sufficient to update rankings and revise the list of top 10 municipalities. Based on the data analysis, EC-LEDS

recommended and received USAID approval to support Mtskheta, Bolnisi, and Telavi municipalities during year three.

As such, EC-LEDS commenced SEAP development for these municipalities and held working meetings with Bolnisi and Telavi municipality representatives to discuss the SEAP development process and identify potential sectors for inclusion in the SEAP document. In addition to mandatory SEAP sectors (transport, buildings, and public lighting), greening, waste, and agriculture were identified as potential additional sectors for both municipalities. In Bolnisi, local experts who had already started the collection of local data and information were hired.

Two meetings were held in Akaltsikhe Municipality. At the first meeting, EC-LEDS representatives presented a completed SEAP document and project proposals in order to receive final feedback and comments from the Mayor, Deputy Mayor, and representatives of different municipality units. The feedback was positive and the Mayor announced that in order to support the establishment of the Sustainable Development Agency as the coordinating unit within the municipalities, funds would be allocated inthe municipality's 2016 budget. It was decided that the SEAP document and project proposals would be presented to a wider audience. The stakeholder meeting was organized by Akhaltsikhe Municipality with technical support from EC-LEDS on December 9, 2015 in the meeting room of Rabati Castle. Representatives of local NGOs, governmental agencies, international donor organizations, and private sector attended the meeting and expressed support for the processes which Akhaltsikhe Municipalitydeclared as a priority. Additionally this quarter, EC-LEDS completed the English translation of Akhaltsike's project proposal.

EC-LEDS also visited Telavi municipality to hold an introductory meeting with the Deputy Governor as well as the SEAP coordinator. EC-LEDS also supported Telavi Municipality in filling out the SEAP template on the CoM website, completed the English translation of Telavi's SEAP, as well as the translation of theTelavi project proposal,

ii. Establish Sustainable Energy Offices or Regional Sustainable Energy Resource Centers

As mentioned in the previous section, based on EC-LEDS' recommendation, and the Sustainable Development Agency project proposal, Akhaltsikhe municipality allocated funds in their 2016 budget and decided to start implementation. The Sustainable Development Agency will, among other functions, have a broader mandate and promote all aspects of sustainable development, incorporate SEO functions, and will be responsible for CoM related activities. CoM activities include updating SEAPs, preparing MRV reports and plans, developing climate change mitigation projects, and assisting the municipality in attracting funds for those projects. Akhaltsikhe is the first municipality to achieve

this important step in the process of establishing SEOs. EC-LEDS will further assist Akhaltsikhe in setting up the city with legal advice.

EC-LEDS and the program's legal advisor will be visiting Zugdidi, Batumi, Kutaisi, and Tbilisi municipalities in quarter two in order to assist them in setting up SEOs. Some of the topics and actions that will be discussed during these meetings are:

- number and type of personnel to take on SEO functions, including naming of specific staff,
- definition of job descriptions for said personnel,
- identification of capacity building needs, and
- identification of funding needs and potential sources in case of establishing a standalone unit.

iii. Develop Monitoring/Reporting/Verification (MRV) Plans

EC-LEDS completed the English translations of Tbilisi's MRV report and MRV plan. The report and the plan were presented to Tbilisi for their final comments.

iv. Develop Sustainable Energy Public Awareness Plans

In the reporting period, EC-LEDS updated the National Communications Plan developed in year one. The Program will continue to take a two-pronged strategic approach to communications: 1) broad information campaigns at the national and local levels to raise general energy efficiency and conservation awareness; and, 2) community-based social marketing to change targeted behavior in selected communities.

CBSM campaign design for Kutaisi greening activities was scheduled in April 2015. The EC-LEDS team held a number of meetings with Kutaisi Municipality during Spring-Summer 2015 to discuss the CBSM activities. Deputy Mayor of Kutaisi, Mr. Konstantine Kavtaradze, and the Head of Economic Development and Local Self-Government Property Management Department, Mr. Paata Kldiashvili, suggested several ideas for this activity, among them, the most relevant to the long-lasting behavior change goals of CBSM was greening of newly constructed kindergartens (in operation sinceSeptember 2015) involving children and youth.

Submission of EC-LEDS CBSM Design Report has been postponed to January 2016 due to the decision to conduct the first pilot in Kutaisi (greening) in spring 2016. Respectively, the report on findings of Kutaisi CBSM will follow after Kutaisi pilot evaluation is complete. The second pilot in Zugdidi (promotion of CFLs) will be conducted on the basis of findings suggested by Kutaisi CBSM pilot evaluation in summer 2016.

v. Identify and Implement Demonstration Projects through Partial Grants

In October 2015, EC-LEDS announced the second round of the partial grants program and issuedRFPs for four municipalities: Gori, Rustavi, Akhaltsikhe, and Telavi City. Ten applications were received, out of which only four qualified, as six applications did not meet the financial contribution requirement.

In order to evaluate the proposals received, EC-LEDS formed a Grants Evaluation Committee (GEC)composed of the following individuals:

- Ms. Inga Pkhaladze –Chief of Party, EC-LEDS, Winrock Georgia
- Mr. Giorgi Giorgobiani – Deputy Chief of Party, EC-LEDS, Winrock Georgia
- Mr. Mikheil Khuchua – Environmental Specialist, EC-LEDS, Winrock Georgia
- Ms. Margalita Arabidze – Head of Energy Efficiency Department, Ministry of Energy of Georgia
- Ms. Marina Shvangiradze – Director, Remissia (EC-LEDS implementing partner)

Ms. Tamar Aladashvili – Deputy Head of Environmental Policy and International Relations Department (Ministry of Environment of Georgia)

The project proposals, along with the evaluation criteria and the evaluation sheet were provided to the members at the first Grants Evaluation Committee (GEC) meeting convened on December 14, 2015 by the EC-LEDs team. The GEC reconvened on December 22 to discuss the applications, provide questions and comments regarding each application, and come up with a preliminary shortlist based on evaluation scores and the discussion. At this meeting, three applications were shortlisted for Rustavi, Akhaltsikhe, and Telavi (one each).

EC-LEDS compiled GEC member questions and provided them to each shortlisted applicant. Applicants have a January 11, 2016 deadline for submitting their responses. After receiving and reviewing the requested information, the GEC will make final recommendation for an award.

In quarter one of year three, EC-LEDS re-announced the tender for Kutaisi and Zugdidi projects, due to source and nationality issues. Selection of winning bidders will be completed in quarter two. As preliminary research showed, majority of eligible companies are US based, so EC-LEDS made a greater emphasis on advertising on US websites. EC-LEDS received 14 bids and EC-LEDS team are currently reviewing them together with Winrock HQ.

EC-LEDS formalized agreements with EEC for the Tbilisi and Kutaisi grant projects at the end of year two, quarter four. Work on the grant components of the projects began this quarter.

EC-LEDS attended an opening ceremony for Tbilisi Elderly House. Representatives of Ministry of Energy, Tbilisi Municipality, BP, USAID, and Anti-Trafficking Agency attended the ceremony among others.

Winrock and BP are working on drafting a Memorandum of Understanding for collaboration on a project in Akhaltsikhe. The purpose of the memorandum is to enable EC-LEDS and BP to identify a project, combine their grant funds of $50,000 and $60,000 respectively and work together on attracting additional investment from other donors, private sector, international funds, municipal budget, etc.

vi. Development Credit Authority Guarantees and Financial Institution Assistance

In quarter one, EC-LEDS assisted local companies in submitting concept notes to the Green Climate Fund. Below is a summary of the concepts submitted:

- GBC Georgia and New Technology Center: Green Settlement development, considering rehabilitating a brownfield site and building a green settlement on the land.
- Georgian Geothermal Association +: (1) The study and rehabilitation of geothermal water deposits and boreholes in Zugdidi and (2) The arrangement and rehabilitation of geothermal distribution system in Tbilisi.

An EC-LEDS-initiated Tbilisi municipal bus fleet replacement project was approved by the Ministry of Finance. EBRD is now working on preparing tender documents and obtaining approval from E5P on the requested grant. Total project cost is $40 million, out of which $13 million has been requested from E5P as a grant contribution.

EC-LEDS held a meeting with a potential investor in the brownfield project, a real estate developing company, Capitol. Capitol representatives will discuss the meeting results internally and EC-LEDS and the developing company will reconvene soon to discuss potentially signing a MoU and starting work on attracting financing for the project.

EC-LEDS attended a meeting organized by EC-LEDS brownfield concept partner firm, New Technology Center, at the Ministry of Economy and Sustainable Development to discuss public private partnership models for the brownfield concept and other similar projects. Representatives of the Ministry of Economy and Sustainable Development, New Technology Fund (NTC), Winrock International, UNDP, USAID, representative of German design firm -Dagenbach Landscapes, and Green Building Council Georgia representative attended the meeting, among others. As a result of the meeting, it was agreed that a MoU will be signed between the Ministry of Economy and NTC for cooperation of the Zugdidi brownfield concept and other similar projects in general. The next important step towards implementing the project is attaining financing for a feasibility study, Winrock and NTC agreed to lead this direction.

EC-LEDS and USAID representatives held a meeting with Ministry of Finance on November 30. EC-LEDS presented summary list of projects developed as part of the SEAP preparation process, along with other concepts being drafted by the project. As it was agreed at the meeting, EC-LEDS will provide Ministry of Finance with the projects once they are finalized for their consideration and possible inclusion in the E5P pipeline.

B. COMPONENT TWO: GREEN BUILDING RATING AND CERTIFICATION SYSTEM- COMPLETED

In September 23, 2015, EC-LEDS and USAID agreed that the Program met all Component Two targets and thus the Component is deemed complete and there will be no continuation of activities in year three.

C. COMPONENT THREE: NATIONAL EC-LEDS WORKING GROUP AND ADVISORY ASSISTANCE

The year three work plan was approved in October 2015. The updated scope for Component Three envisaged ceiling increases for two EC-LEDS subawardees in order to implement the work. The budget and ceiling approval was received from USAID in December 2015. As such, the implementation of component three fully commenced in December 2015. Despite this fact, beginning in October 2015 Sustainable Development Center Remissia started updating the MARKAL Georgia model. Remissia held weekly meetings every Tuesday with the Analytic Department of the Ministry of Energy on updating the MARKAL-Georgia model, aiming to discuss data availability, data gaps, and steps towards starting work on the model update.

The work on developing a MARKAL Georgia guidebook started with preparation of the section on naming conventions for commodities and technologies. The guidebook development is performed in parallel with the MARKAL Georgia model update process.

On December 15,2015, the National Statistics Office of Georgia published the 2014 Energy Balance (EB). The Deputy Minister of Energy, Mariam Valishvili, addressed EC-LEDS with the request to update the MARKAL Georgia model with 2014 data instead of planned 2013. The request was discussed with and approved by USAID and the decision was made to consider the Ministry of Energy intention and concentrate on 2014 Energy Balance, which has more comprehensive data compared to 2013. Remissia started comparing new 2014 EB data with 2013 EB data and the differences in energy consumption was analyzed. An emission inventory for 2014 energy sector is being developed. The work will continue in quarter two of year three with involvement of Decision Ware Group (DWG) experts.

By end of December 2015, the expert for energy efficiency in the industry sector was hired. The expert will be responsible for data gathering process from main energy consuming industries,

preparing the sector overview for industry and will be planning mitigation (energy efficiency) measures for the sector. The first meeting was held with Rustavi Azoti factory. Data availability as well as energy efficiency measures in this major chemical enterprise were discussed. A number of energy efficiency measures were identified for further analysis.

The team developed a set of questionnaires for National Statistics office and industrial plants for gathering information from existing energy intensive industries.

The preparation of a transport sector overview started with the analysis of available information and documents on the transport sector prepared by different projects and government agencies; The questionnaires are being developed for the National Statistics office to gather related data for mitigation measures assessment.

During the reporting period, EC-LEDS advisor worked with the Ministries of Environment and Natural Resources Protection, Ministry of Energy, the Ministry of Economy and Sustainable Development, and major stakeholders; special attention was made on advisory assistance and capacity building of the Climate Change office of MoENRP and the Analytical Department of the Ministry of Energy; in parallel the program worked on processing and analyzing the research and findings of the previous periods, which eventually were successfully reflected in Georgia's INDC.

i. Analytical and advisory service

EC-LEDS continued capacity building activities through training staff of the Analytical Department of the Ministry of Energy (AD of MoE). The experts of the program provided assistance to prepare excel spreadsheets for information on relevant sectors of MARKAL Georgia, to analyze data availability, data gaps, and work on regular model updates.

The process of MARKAL update was done on a regular basis and at the same time; it was combined with the on-job training of the analytic department. As a result, the new excel spreadsheet for information on residential building sector and transport sector for MARKAL Georgia have been developed. The corresponding chapter in MARKAL guidelines also has been drafted. Another spreadsheet was prepared to be filled in for MARKAL by the Analytical Department of the Ministry of Energy.

By the end of 2014, GEOSTAT provided the list of industrial enterprises in Georgia grouped according to their size and type of activity. A questionnaire was developed for the National Statistics office and industrial plants to gather additional information where data gaps are identified. On December 15, 2015, the National Statistics Office of Georgia published the 2014 Energy Balance. The new energy balance was compared to 2013 and differences in energy consumption were analyzed and corrected.

ii. Capacity building and technical assistance

EC-LEDS worked together with the CC office of MoENRP on research and strategy needed for further progress of the LEDS process. Research activities with special focus on non-energy emissions and the mitigation options have been planned, setting up plans to coordinate activities of the sectoral SWGs. Several aspects of collaboration between Winrock, CC Office of MoENRP, and other Ministries, the main stakeholders involved in LEDS process, were revised and updated.

The Program was asked to help the CC office to increase communication and coordinate works with the stakeholders within the framework of LEDS process in Georgia. EC-LEDS advisor regularly worked together with Mr. Lazriev, the Head of the CC office of MoENRP and the staff as well as the SWGs to analyze mitigation options for non-energy sector. The possible options were analyzed and evaluated. Since the MARKAL thus far is dealing with energy related issues, the CC office also discussed the possibilities to extend MARKAL Georgia's coverage and include the non-energy sector as well.

Together with the technical Director of Remissia, the EC-LEDS advisor organized meetings with the staff of the AD of MoE in order to intensively develop capacity building. To ensure further intensive trainings, the parties decided to hold regular and extra training sessions for the staff of the AD of the Ministry of Energy on a weekly basis.

The EC-LEDS Advisor had several meetings with the Head of the Analytical department of MoE, Mr. Mikheil Mumladze. The meetings were dedicated to the 2014 Energy Balance of Georgia to be incorporated into the MARKAL Georgia, which would significantly improve the accuracy and reliability of the scenarios run by MARKAL Georgia.

iii. Advisory assistance to GOG

EC-LEDSheld a series of working meetings with Mr. Lazriev, the Head of the CC office of MoENRP,in order to coordinate and regularly update both parties on the recent developments and research in LEDS and intensify joint work. Mr. Lazriev also identified and outlined the issues where the Ministry of Environment would need help from the Program as well as assistance and capacity building. The parties also agreed to coordinate joint research and intensify mitigation options activity in all sectors and more actively involve the sectorial SWGs in the process of LEDS development.

The EC-LEDS Advisor was invited to the Ministry of Economy and Sustainable Development of Georgia to meet the Deputy Head of Legal Department of the Ministry. At the meeting the parties discussed the legal aspects related to the installation of Solar Energy panels (Photovoltaic systems) as the source of alternative, clean, renewable energy in Tbilisi and its connection to the existing power generation and distribution systems.

At the request of the Ministry of Economy and Sustainable Development, the EC-LEDS advisor participated in the meeting on the development of Clean Energy Solar Systems in Georgia too, the meeting was attended by the representatives of the MoESD, Japan International Cooperation Agency (JICA), and Itochu Corporation, who are responsible for installation works of Photovoltaic panels.

In December,EC-LEDS had a meeting with the head of the CC office of MoENRP to discuss the SWGs activities, as well as on the issues related to the Paris Climate Summit 2015. The EC-LEDS advisor also provided his technical assistance to the CC office staff to organize conference "Climate Change Policy in Georgia and Preparation for the Paris Agreement 2015".

iv. Ensure involvements in international projects, trainings and programs

In November, EC-LEDS helped MoENRP to organize a conference entitled, "Climate Change Policy in Georgia and Preparation for the Paris Agreement 2015". EC-LEDS participated in the panel discussions on climate change and how it relates to Low Emissions Development Strategies (LEDS); climate change mitigation options and adaptation measures; climate change challenges and opportunities; Nationally Appropriate Mitigation Actions (NAMA) and Intended Nationally Determined Contribution (INDC).

The EC-LEDS advisor participated in a workshop organized by UNDP on development of biomass production as alternative to firewood for heating purposes in Georgia that took place on November 16, 2015 in Tbilisi. The workshop was focused on Georgia's potential to develop alternative, renewable, solid fuel production from biomass and replace firewood, as well as fossil fuels, such as natural gas, coal, and oil consumption in Georgia.

EC-LEDS participated in the workshop organized by *Clima East* on non-energy emissions in the Industry sector. Namely, the workshop was dedicated to initial cost abatement analysis for the industrial production sector in Georgia. The workshop had a special focus on cement production industry and related emissions. The *Clima East* experts together with their Georgian counterparts provided comprehensive analyses and offered four different options aiming to mitigate the emissions from cement production in Georgia, among them changes in clinker composition and changes in the chemical composition of the cement itself.

The EC-LEDS advisor participated in the workshop held at Ilia State University dedicated do research and evaluation of biomass potential for renewable energy development in Georgia. At the workshop, various types of biomass were analyzed according to the energy content, availability, and other parameters. The workshop had special focus on solid biomass fuel production as the option to develop alternative, renewable, environmentally friendly energies in Georgia.

EC-LEDS participated in a workshop organized by the Ministry of Economy and Sustainable Development and GIZ, to work on Green Growth Policy Paper. This document will be dedicated to

describe how green growth in Georgia can achieve sustained growth and sustainable development goals; identify sectors and economic opportunities with the greatest potential to generate green jobs, and propose a framework for the assessment of green growth interventions and identify key policy options to achieve stated national objectives.

D. PROJECT ADMINISTRATION

During year three quarter one, EC-LEDS completed the following project administration tasks:

- Received a draft copy of the mid-term evaluation and provided comments to USAID;
- Received a budget realignment and corresponding cooperative agreement modification (modification 6);
- Received approval of the Year Three Work Plan in October 2015.
- Received approval for budget ceiling increases for two EC-LEDS subawardees to further work under component three in December 2015.
- Submitted a final update to USAID on the AO Letter to Winrock International dated August 27, 2015.
- Submitted a request for a 935 waiver for two partial grants programs. The waiver was not approved and as such, EC-LEDS re-announced the tender.
- Worked with USAID on the Limited Financial Review of the Program. On December 24, 2015, EC-LEDS received USAID's recommendations as a result of the Limited Financial Review and will provide a response to USAID by the requested date of January 25, 2016.

E. LESSONS LEARNED

The following items were lessons learned during this quarter:

- The GoG needs more persistent advisory service, especially while preparing for the major international events;
- Extra meetings and trainings give more effect and ensure better results in combining with planned and regular sessions;
- The sectorial SWGs will work more effectively when they receive strict directions from the relevant ministries;
- The EC-LEDS project goes on much more successfully when the communication and cooperation with the stakeholders are even more intensive than planned earlier.

F. ENVIRONMENTAL PROTECTION ACTIVITIES

EC-LED Environmental specialist and relevant project team continue technical consideration of sub-grant applications in order to ensure incorporation of environmental safeguards into the technical designs of potential projects. EC-LEDS Environmental Specialist conducted a series of site visits for the purpose of initial inspection of proposed sub-grant project sites. Several Activity Specific Mitigation and Monitoring Plans for already selected sub-grant projects have been outlined. Technical discussion over the rest and current sub-grant projects continues and final stipulation of Activity-Specific Environmental Mitigation and Monitoring commitments will go in parallel with finalization of sub-grant projects related technical scope and specifications.

G. CROSS-CUTTING ACTIVITIES

i. National Public Communications and Outreach

In the reporting period, EC-LEDS produced flyers, branded t-shirts, and caps to support the EC-LEDS national outreach campaign.

Photo 1. EC-LEDS flyer

EC-LEDS produced the Quarterly Newsletter Fall 2015 for distribution during EC-LEDS events and via e-mail.

On November 20, the Energy Efficiency Center Georgia (EEC) presented a demonstration project "Warm Elderly – Energy Efficiency Measures for the Tbilisi Elders Boarding House". The event took place at the institution. EEC implemented this multi-stakeholder project, with co-financing from EC-LEDS and BP Exploration (Caspian Sea) Ltd. within its project "Renewable Energy &the New Energy Efficiency Project" by Tbilisi City Hall and the State Fund for Protection and Assistance of (Statutory) Victims of Human Trafficking.

This projectis an example of how energy efficiency solutions can be found, with renewable energy solutions that include the introduction of an autonomous natural gas heating and hot water supply system combined with a solar thermal system, including upgrades on energy efficiency in the most vulnerable areas of the building envelope, and replacing incandescent light bulbs with CFLs.

The EC-LEDS grant will focus on procuring the solar water heating system and the necessary equipment (piping and insulation, controller, etc.); buying energy-efficient light bulbs to replace incandescent ones, as well as capacity building and awareness raising activities

The introduction of these energy efficient/saving measures will not only reduce the electricity consumption and energy bills by at least 40% and result in significant CO_2 reductions, but will also raise the overall comfort and well-being of the elderly and the home's personnel.

Photo 2. Director of Boarding House, Darejan Tomadze

Photo 3. Beneficiary of Tbilisi Elders' Boarding House

Photo 4. Beneficiaries of Elders' Boarding House

Photo 5. EC-LEDS COP Inga Pkhaladze delivering a speech

On December 9, 2015, the EC-LEDS team participated in Donor Coordination Meeting held in Akhaltsikhe. The aim of the meeting was presentation of the Sustainable Energy Action Plan (SEAP) of Akhaltsikhe city and projects on Sustainable Development Agency and Energy Efficient Exterior Lighting of Akhaltsikhe Castle elaborated in the framework of SEAP. With the technical assistance from the EC-LEDS, the city prepared Sustainable Energy Action Plan for 2016-2020 and planned specific mitigation measures in transport, building, public lighting, waste, and greening sectors. To support the Action Plan in particular and sustainable development of Akhaltsikhe city in general, the city decided to establish Sustainable Development Agency and already allocated funds for that purpose in the budget of 2016. The main function of the Agency will be to coordinate the sustainable development processes in general and sustainable energy actions in particular.The Agency's task will be also preparation and capacity building of qualified technical human resources in relevant sectors as lack of such resources is one of the most challenging barriers that the Municipality is facing nowadays.

Photo 6. Donor Coordination Meeting in Rabati Castle, Akhaltsikhe.

In the reporting period, EC-LEDS participated in the presentation of the updated SEAP for Tbilisi Municipality.

Photo 7. Presentation of Tbilisi SEAP at Tbilisi City Hall.

In the reporting period EC-LEDS Outreach Team initiated a Facebook contest entitled "Energy Efficiency is a Smart Choice". The contest was launched on October 7 and will continue until the week of February 18, 2016. The EC-LEDS Outreach Team will post a question once a week and award winners with EC-LEDS promotional caps, t-shirts, and key chains. Twelve winners have already been awarded at the EC-LEDS office.

The contest was suspended during vacation period and will be resumed the week of January 11.

Photo 8. EC-LEDS FB Contest winner Salome Labadze

Photo 9. EC-LEDS FB Contest winner Tako Robakidze

Photo10. EC-LEDS FB Contest winner Davit Bakuradze

ii. People with Disabilities (PWD), Youth and Gender

Students and teachers from the villages of Misaktsieli, Dzveli Kanda, Akhaldaba, Tsilkani, Ksovrisi, Jinvali, Tchartali, and Khevsurtsopeli took part in the Youth Energy Efficiency Event in December 2015. The USAID-supported Enhancing Capacity for Low Emission Development Strategies (EC-LEDS) Clean Energy Program empowers youth through training on energy efficiency and renewable energy technologies. The main objective is to involve youth in energy efficiency, contributing to climate change mitigation.

The students were selected from "Momavlis Taoba" (Future Generation) program partner schools from 9th to 11thgrades of Mtskheta, Tianeti, and Dusheti Municipalities in collaboration with the Mtskheta-Mtianeti Committee of Anti-Violence Network of Georgia. The Committee implements Momavlis Taoba project with 27 partner public schools in the region. The "Momavlis Taoba" (MT) program, funded by United States Agency for International Development (USAID), is being implemented in Georgia by PH International and is supported by the Ministry of Education and Science of Georgia (MES).

During the event, students were given a presentation "How to Save Energy" followed by a contest "Energy Efficiency Is a Smart Choice" to demonstrate the EE skills acquired at the seminar. Dean of Energy and Telecommunications Faculty at Georgian Technical University, Professor Gia Arabidze, conducted the seminar. Professor Arabidze spoke about the importance of energy efficiency, ways of saving energy, energy audit, energy efficiency in residential sector, energy efficient technologies, simple tips to save energy at home, energy efficient appliances, renewable energies, energy efficient/renewableenergy projects implemented under donor support, energy efficiency and climate change. The winners were awarded medals, and all students were given participation certificates.The event took place at Misaktsieli Public School.

Photo 11. Seminar How to Save Energy

Photo 12. Winners of the Contest

Photo 13 &14. Professor Arabidze awarding a winner

Photo 15. EC-LEDS Promotional Items distributed among participants of Youth/PWD EE events and EC-LEDS FB Contest winners	Photo 16. EC-LEDS Youth/PWD Event Participation Certificate	Photo 17. Medals for EC-LEDS Youth Event winners

iii. Cooperation with other USAID programs

EC-LEDS established good communication and cooperation with other USAID sponsored programs, including G4G, Waste Management Technologies in Regions, as well as the EU funded programs - ClimaEast, German-funded support for Buildings NAMA, and GIZ's support for Georgia's Intended Nationally Determined Contribution (INDC).

On December 23, 2015,by request of the USAID funded program, Government for Growth (G4G), Winrock Georgia conducted an information session on Open Data Policy for G4G Program implemented by Deloitte in Georgia. The practice applied by Winrock Georgia regarding meeting requirements of Open Data Policy was shared with them along with general description of the policy as per ADS579.

EC-LEDS continued cooperation with USAID's "Momavlis Taoba" (Future Generation) Program implemented by PH International and supported by the Ministry of Education and Science of Georgia (MES). In December 2015, 38 students and five teachers from Misaktsieli, Dzveli Kanda, Akhaldaba, Tsilkani, Ksovrisi, Jinvali, Tchartali, and Khevsurtsopeli took part in a Youth Energy Efficiency Event at Misaktsieli Public School. The students were selected from "Momavlis Taoba" (Future Generation) program partner schools from ninth to eleventh grades of Mtskheta, Tianeti, and Dusheti Municipalities in collaboration with the Mtskheta-Mtianeti Committee of Anti-Violence Network of Georgia. The Committee implements Momavlis Taoba project with 27 partner public schools in the region.

During the event, students were given a presentation "How to Save Energy" followed by a contest "Energy Efficiency Is a Smart Choice" to demonstrate the EE skills acquired at the seminar. The Dean of Energy and Telecommunications Faculty at Georgian Technical University, Professor Gia Arabidze, conducted the seminar. Professor Arabidze spoke about the importance of energy efficiency, ways of saving energy, energy audits, energy efficiency in the residential sector, energy efficient technologies, simple tips to save energy at home, energy efficient appliances, renewable energies, energy efficient/renewable energy projects implemented under donor support, and climate change. The winners were awarded medals, and all students and teachers were given participation certificates. After the event, students made commitments to conduct simple home energy audits and to spread the word about energy-saving measures with their families and schools.

Photo 18. GTU Professor Gia Arabidze with students and teacher of Khevsurtsopeli public school

Photo 19. GTU Professor Gia Arabidze with students of Misaktsieli public school

IV. YEAR THREE WORK PLAN: DELIVERABLES SUBMITTED IN

Component	Deliverable/Product	Date Submitted
Component 1	Report on Updated List of Potential Municipalities According to Selection Criteria	30-Oct-15
M&E	Data Collection Template - year two	30-Oct-15
All	EC-LEDS Annual Progress Report	30-Oct-15
Public Outreach	EC-LEDS National Communications Plan _ Revised (year three)	30-Nov-15
All	EC-LEDS year three Work Plan	07-Dec-15
Public Outreach	National Communications Plan (year three)	23-Dec-15
All	EC-LEDS Annual Progress Report	30-Dec-15

YEAR THREE QUARTER ONE

The indicators with year three targets include outcome indicators OC2; OC3; OC4 OC5; OC6; OC7; OC8 and output indicators OP1, OP2, OP4, OP5, OP6, OP7, OP8, OP10, OP11, OP13, OP14, OP15, OP17, OP18, OP22. During quarter one of year three, progress was demonstrated in most of the indicators and some of them even exceeded defined targets. Other activities in all components and cross-cutting issues are being carried out as planned and measurable results will be documented as they are achieved. During Quarter one of year three, OC7 (Expected Lifetime Energy Saving) and OC8 (Projected GHG emission reduction up to 2030) were added to the Performance Monitoring Plan as requested by USAID (as per amendment) and respective targets were defined and agreed with USAID.

During this reporting period, EC-LEDS submitted all datasets to AOR for review. In addition, all intellectual outputs were uploaded on Development Experience Clearinghouse (DEC). Additionally, by request of USAID funded Government for Growth (G4G) program, EC-LEDS conducted an information session on the requirements of Open Data Policy for their staff. Winrock shared its own experience on submitting datasets to USAID and the procedures outlined in ADS 579.

INDICATOR TITLE: **Quantity of greenhouse gas (GHG) emissions, measured in metric tons of CO_2 equivalent (CO_{2e}), reduced or sequestered as a result of USG assistance (OC 2)**					
UNIT: Metric tons of CO_2	*DISAGGREGATE BY:* None				
	Geographic Location	*Event*	*Date*		*total*

Results:

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
Metric tons of CO_2	*0*	*20,000*	*0*	*43,000*		*55,000*		*236,000*	

INDICATOR TITLE: **Energy saved due to energy efficiency/conservation projects as a result of USG assistance (OC 3)**					
UNIT: GW/h_e	*DISAGGREGATE BY:* None				
	Geographic Location	*Event*	*Date*		*total*

Results:

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
GW/h_e	*0*	*20,000*		*42,000*		*75,000*		*315,000*	

INDICATOR TITLE: **Number of private sector clean energy investments (OC 4)**					
UNIT:	*DISAGGREGATE BY: None*				
USD	*Geographic Location*	*Event*	*Date*		*total*

Results:

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
USDMillion	*0*	*0*	*0*	*4.0*	3.36	*3.64*		*14*	

INDICATOR TITLE: **Number of local organizations positioned to receive USG funding and implement USG projects as a result of EC-LEDS assistance (OC 5)**					
UNIT: USD	*DISAGGREGATE BY: Region or Municipality*				
	Geographic Location	*Event*	*Date*		*total*
Results:					

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
USD Million	*0*	*0*	*0*	*0*		*1*		*1*	

INDICATOR TITLE: **Percentage of individuals reached by the public awareness campaign who take at least one energy saving action (OC 6)**					
UNIT: % of individuals	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*total*
Results:					

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
	0	*0*	*0*			*10%*		*10%*	

INDICATOR TITLE: **Expected lifetime energy savings from energy efficiency or energy conservation, as a result of USG assistance (OC 7)**					
UNIT: Gigajoules (GJ)	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*total*

Results:

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
	0	*0*	*0*	19 929 600	19 929 600	44,583,406.65			

INDICATOR TITLE: **Projected greenhouse gas emissions reduced or avoided through 2030 from adopted laws, policies, regulations, or technologies related to clean energy as supported by USG assistance (OC 8)**					
UNIT: Metric tons of CO_2	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*total*

Results:

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
	0	*0*	*0*	1,699,549.7	1,699,549.7	3,237,402.00			

INDICATOR TITLE: **Number of low emissions development plans developed and/or implemented as a result of USG assistance (LEDS, SEAP, other) (OP 1)**					
UNIT: No. of Plans developed	*DISAGGREGATE BY: Phase of implementation (developed, implemented)*				
	Geographic Location	*Event*	*Date*		*total*
Results:					

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Plans developed	*0*	*3*	*3*	*4*	*4*	*3*		*10*	

INDICATOR TITLE **Number of Sustainable Energy Offices (SEOs) or shared Sustainable Energy Resource Centers established in participating municipalities(OP 2)**					
UNIT: No. of Sustainable Energy Offices/ Sustainable Energy Resource Centers established	*DISAGGREGATE BY: New offices, ongoing offices*				
	Geographic Location	*Event*	*Date*		*total*
Results:					

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Offices created	*0*	*0*	*0*	*3*	*0*	*2*		*5*	

INDICATOR TITLE: **Number of stakeholders using climate information in their decision making as a result of USG assistance (OP 4)**					
UNIT: Number of Stakeholders	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*total*

Results:

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Stakeholders	*0*	*8*	*12*	*6*	*8*	*2*		*16*	

INDICATOR TITLE: **Number of laws, policies, strategies, plans, agreements or regulations addressing climate change mitigation officially proposed, adopted, or implemented as a result of USG assistance (OP 5)**					
UNIT: Number of Laws, Policies, Strategies	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*total*
Results:					

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Laws, Policies, Strategies	*0*	*1 proposed*	*1 proposed*	*1 proposed*		*1 adopted*		*1 adopted* *2 proposed*	

INDICATOR TITLE: **Number of climate change mitigation tools, technologies or methodologies developed, tested and/or adopted as a result of USG assistance (OP 6)**					
UNIT: Number of Tools	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*total*
					1

Results:

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Tools	*0*	*1*	*2*	*2*	*2*	*2*		*5*	

INDICATOR TITLE: **Number of households/ business/ public institutions implementing energy efficiency measures as a result of USG assistance (OP 7)**					
UNIT:	*DISAGGREGATE BY: None HH, Businesses, Institutions*				
No. of electricity consumers implementing energy efficiency measures	*Geographic Location*	*Event*	*Date*		*total*

Results:

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Households	*0*	*0*	*0*	*500* *2*		*1000* *8*		*1500* *10*	
No. of businesses	*0*								
No. of institutions	*0*			*2*		*8*		*10*	

INDICATOR TITLE: **Number of climate change mitigation projects implemented as a result of USG assistance (OP 8)**					
UNIT: No. of climate change mitigation projects	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*total*
	For all municipalities	*Kutaisi "Torpedo" –" Installation of Solar Thermal System and Lighting"* *Tbilisi Elderly house–" Installation of Solar Thermal System and Lighting"*			*2*
Results:					

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Projects	*0*	*0*	*0*	*5*	*2*	*15*		*20*	

INDICATOR TITLE: **Number of individuals reached through outreach campaigns (OP 10)**					
UNIT: Number of Individuals	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*total*
	Village Misaktsieli, Georgia	*Youth EE Event Presentation "How to Save Energy"* *Contest "Energy Efficiency Is A Smart Choice"* *People reached through EC-LEDS Facebook*	*December 15, 2015* *October-December, 2015*		***22 female, 21 men (43 total)*** ***2585***

Results:

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Individuals	*0*	*250,000*	*254,157*	*500,000*	*264,047*	*250,000*	*2607*	*1 million*	

INDICATOR TITLE: **Number of USG-supported training or activities that contribute to building the EE knowledge and skills in the GOG, Municipalities, industry and other stakeholders (OP 11)**					
UNIT: Number of Training activities	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*total*
	Village Misaktsieli	*Youth EE Event Presentation "How to Save Energy"*	December 15, 2015		1
	Bolnisi	Meeting with local experts and municipality staff on Covenant of Mayors and SEAPs	November 20, 2015		1
	Tbilisi	Preparation of project proposals for the GHGs mitigation measures to be implemented in the sectors considered in SEAPs	November 27, 2015		1
	Telavi	*Meeting with Deputy Governor and coordinators on Covenant of Mayors and SEAPs*	December 2, 2015		1

Results:

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Training activities	*0*	*6*	*10*	*30*	*22*	*14*	*4*	*50*	

INDICATOR TITLE: **Value of grants disbursed as a result of USG assistance for scientific research and energy efficiency pilot projects (OP 13)**					
UNIT: Value of grants distributed	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*Total*
	For all municipalities				

Results:

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
Value of grants	*0*	*0*	*0*	*300,000*	*2131910*	*286090*		*500,000*	

INDICATOR TITLE: **Number of promotional plans and campaigns implemented to increase awareness of citizens about energy efficiency (OP 14)**					
UNIT: No. of Plans	*DISAGGREGATE BY:* None				
	Geographic Location	*Event*	*Date*		*total*
Results:					

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Plans	*0*	*2*	*2 (Implementation Ongoing)*	*2*	*2*	*2*	*2*	*2*	*2*

INDICATOR TITLE: **Number of beneficiaries receiving improved infrastructure services due to USG assistance (OP 15)**					
UNIT: No. of beneficiaries receiving improved infrastructure services	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*total*
Results:					

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Beneficiaries	*0*	*0*	*0*	*1*		*2*		*3*	

INDICATOR TITLE: **Number of MRV plans developed to track impact of SEAPs implementation(OP 17)**					
Unit:	*Disaggregate by: None*				
No. of Plans	*Geographic Location*	*Event*	*date*		*total*

Results:

Additional Criteria	***Baseline***	*Y1*		*Y2,*		*Y3*		*End of Project*	
If other criteria are important, add lines for setting targets and tracking		*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Plans	*0*	*4*	*4*	*3*	*3*	*3*	*0*	*10*	

INDICATOR TITLE: **Number of individuals at national and local level trained in climate change as a result of USG assistance (OP18)**

UNIT:	*DISAGGREGATE BY: None*				
No. of Individuals	*Geographic Location*	*Event*	*Date*		*total*
	Tbilisi	*On-job training on elaboration of Markal for Analytical Department of Ministry of Energy and Environment*	*October-December, 2015*		*5 (2 females, 3 males)*
	Tbilisi	*Training on Preparation of project proposals for the GHGs mitigation measures to be implemented in the sectors considered in SEAPs*	*November 27, 2015*		*23 (12 females, 11 males)*

Results:

Additional Criteria	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
If other criteria are important, add lines for setting targets and tracking		*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of Individuals	*0*	*10*	*67*	*40*	*171*	*20*	*28*	*70*	

INDICATOR TITLE: **Number of decisions made by LEDS steering committee or involved agencies using analysis based on MARKAL or other appropriate tools (OP22)**					
UNIT: Number of decisions	*DISAGGREGATE BY: None*				
	Geographic Location	*Event*	*Date*		*total*
Results:					

Additional Criteria *If other criteria are important, add lines for setting targets and tracking*	***Baseline***	*Y1*		*Y2*		*Y3*		*End of Project*	
		Target	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*	*Target*	*Achieved*
No. of decisions		*0*	*0*	*2*		*2*		*4*	

ANNEX I: SCHEDULE OF PLANNED FUTURE EVENTS

A. COMPONENT ONE

EC-LEDS plans to hold the second training for CoM signatory Municipalities on Monitoring Reporting and Verification.

B. COMPONENT TWO

Task Completed

C. COMPONENT THREE

Sectoral working group meetings upon agreement with the climate change office of MOENRP.

D. PUBLIC OUTREACH

Airing EC-LEDS EE PSAs will continue on National TV channels. EC-LEDS Youth EE Events will take place in March and April 2016 in the municipalities of Georgia (municipalities TBD).

CBSM pilot will be launched in Kutaisi in the period between March-June, 2016 (date of launch will be confirmed after submission of CBSM Design Report by the end of January 2016).

Table 2. Upcoming Events for year three, quarter two

Component	Event	Date/Location
Public Outreach	Youth EE Event	GoriMarch, 2016 (municipality TBD)
Public Outreach	CBSM Kutaisi Pilot	March-June, 2016 (launch date will be confirmed in January 2016)

E. ENVIRONMENTAL COMPLIANCE

The EC-LEDS program will continue reviewing sub-grant project related applications in accordance with USAID environmental compliance procedures and the approved PEA. Respectively, additional periodic site visits will be conducted at relevant project sites. Following site visits, the program will elaborate activity-specific environmental documentation, taking into consideration the project's proposed scope and type of activities.

ANNEX II:QUARTER ONE PLANNED DELIVERABLES AND PRODUCTS

A. COMPONENT ONE

In the next quarter, EC-LEDS will deliver a draft SEAP for Telavi Municipality along with the Project proposal and Communication Strategy and MRV plan.

B. COMPONENT TWO

The report Training of Trainers on Display will be delivered to USAID.

C. COMPONENT THREE

Business As Usual Emissions Calculations (Energy BAU and non-energy BAU); Mitigation Measures; Set of Policy Analysis (Draft).

D. COMMUNICATIONS AND OUTREACH

As part of the EC-LEDS outreach activities, the program will produce media coverage reports for upcoming events where applicable. A series of printed materials in the framework of CBSM campaign will be prepared, including brochures on energy efficiency. The Communication plans for the SEAPs will be prepared.

E. MONITORING AND EVALUATION

The GIS data collection spreadsheet reflecting all respective data from year three of EC-LEDS program will be delivered to USAID/Caucasus in May, 2016.

F. ENVIRONMENTAL COMPLIANCE

Following the scope of 22 CFR 216 Environmental Compliance Procedures and approved Programmatic Environmental Assessment (PEA) document, EC-LEDS will analyze proposed sub-grant activities against specific impact factors, including: the character of proposed actions, the type of structural measures, and whether the proposed structural actions, their impacts, and mitigation measures are considered in the PEA defined EMMPs. Depending on the project -specific individual assessments, either "Activity-Specific Environmental Monitoring and Mitigation Plan (EMMP) and/or Environmental Review Checklists (ERCs)" documents will be produced. Right after the completion of the project related activities, "Record of Compliance with the EMMP" document will be submitted to USAID.

ANNEX III: MEDIA COVERAGE REPORT (NOVEMBER 2015)

WINROCK INTERNATIONAL GEORGIA

ENHANCING CAPACITY FOR LOW EMISSION DEVELOPMENT STRATEGIES (EC-LEDS)

CLEAN ENERGY PROGRAM

COOPERATIVE AGREEMENT NO. 114-A-13-00008

MEDIA COVERAGE REPORT

November 2015

This publication was produced for review by the United States Agency for International Development. It was prepared by Winrock International Georgia.

ENHANCING CAPACITY FOR LOW EMISSION DEVELOPMENT STRATEGIES (EC-LEDS) CLEAN ENERGY PROGRAM

MEDIA COVERAGE REPORT

November 2015

Source:	**newspress.ge**
Date:	**November 18, 2015**
Title:	**Announcement: Presentation of the Pilot Project is Planned to Take Place at Tbilisi Elders' Boarding House**

On November 20thTbilisi Elders' Boarding House will host a presentation of the pilot project "Warm Elderly- Energy Efficiency Measures for Tbilisi Elders' Boarding House".

According to the information provided by Ministry for Economy and Sustainable Development, this is a demonstration project that includes using of energy efficient and renewable energy measures such as installation of autonomous heating and hot water supply system operating on natural gas and integrated with solar thermal system, improving energy efficient properties of building's outdoor vulnerable zones, and replacement of incandescent bulbs with fluorescent ones.

Along with technical and economic benefits the planned measures of the project will deliver and mitigate climate change impacts. Invitees will view Elders Boarding House and implemented energy efficient measures.

According to the Agency, before implementation of the project, the residents of the Elders Boarding House could not enjoy the benefits of central heating. Only bedrooms were heated with electrical heating devices.

In the framework of the project, Boarding House is supplied with gas and installed heating system. After deployment of new energy efficient technologies, the House will be provided with central heating. All windows and doors within building are already insulated. Outdoor walls of the building were insulated partially and the so-called "cold and warm areas" separation works implemented.

In the future, more than 1,000 bulbs will be replaced with energy efficient ones. Also, installation works of autonomous heating and hot water supply system operating on natural gas and integrated with solar thermal system will be completed.

The given project will significantly reduce heat loses in the building and outdoor spaces and save heating related expenses. Implemented measures will contribute to increase of comfort the Elders' Boarding House.

By Implementation of above mentioned measures, it is expected to save 181,600kWh of energy, reduce by 13,900 GEL energy related payments and by 35,200kg CO_2 emissions into atmosphere.

The project is implemented by Energy Efficiency Center Georgia, under the project "New Project of Renewable Energy and Energy Efficiency" financed by BP and its partners operating in oil and gas business.

Among co-financing organizations of the given project are: Tbilisi Municipality City Hall, State Fund for Protection and Assistance of Statutory Victims of Human Trafficking, US Agency for International Development (USAID), "Winrock International Georgia" within the framework of the project "Enhancing Capacity for Low Emission Development Strategies (EC-LEDS) Clean Energy Program".

Source:	**newsday.ge**
Date:	**November 20, 2015**
Title:	**Presentation of the Project "Warm Elderly- Energy Efficiency Measures for Tbilisi Elders' Boarding House" took place in Tbilisi**

On November 20thTbilisi Elders' Boarding House hosted a presentation of the pilot project "Warm Elderly- Energy Efficiency Measures for Tbilisi Elders' Boarding House". The demonstration project

presented energy efficient and renewable energy measures with deployment of energy efficient and renewable energy solutions including introduction of autonomous heating and hot water supply system on natural gas combined with solar thermal system, energy efficiency upgrade of the most vulnerable areas of the building envelope and replacement of incandescent light bulbs with CFLs.The implemented measures along with technical and economic benefits will deliver and mitigate climate change impacts Invitees will view Elders Boarding House and implemented energy efficient measures.

Before implementation of the project, the residents of the Elders Boarding House could not enjoy the benefits of central heating. Only bedrooms were heated with electrical heating devices.

In the framework of the project, Boarding House is supplied with gas and installed heating system. After deployment of new energy efficient technologies, the House will be provided with central heating. All windows and doors within building are already insulated. Outdoor walls of the building were insulated partially and the so-called "cold and warm areas" separation works implemented.

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Among co-financing organizations of the given project are: Tbilisi Municipality City Hall, State Fund for Protection and Assistance of Statutory Victims of Human Trafficking, US Agency for International Development (USAID), "Winrock International Georgia" within the framework of the project "Enhancing Capacity for Low Emission Development Strategies (EC-LEDS) Clean Energy Program".

Source:	**EPN.ge**
Date:	**November 20, 2015**
Title:	**Pilotproject "Warm Elderly" presentation was held at Elders Boarding House**

Tbilisi Elders Boarding House hosted presentation of the project "Warm Elderly - Energy Efficiency Measures for Tbilisi Elders Boarding House".

As Deputy Head of the State Fund for Protection and Assistance of Statutory Victims of Human Trafficking told to Express news journalist, energy efficiency of Elders Burdening House is increased.

"Works related to heating system in Tbilisi Elders Boarding House is on its final stage. It is evident that energy efficiency of the building is strengthened, as a result, with assistance of different organizations and local self-governing body, this project is completed. Nowadays, with natural gas along with solar system using, building will be provided with heat and supplied with hot water, tenants of the House express their gratitude for implemented project" – said the Deputy Head of the State Fund for Protection and Assistance of Statutory Victims of Human Trafficking.

Mentioned project is a demonstrative one that includes using of such energy efficient and renewable energy measures like: installation of autonomous heating and hot water supply system operating on natural gas and integrated with solar thermal system.

The project is implemented by Energy Efficiency Center –Georgia , within the project "New Project of Renewable Energy and Energy Efficiency", financed by BP Exploration Caspian Sea Limited, Tbilisi City Hall, Fund " lavnana" , US Agency for International Development (USAID).

Tbilisi Elderly Boarding House is one of the territorial units of the State Fund, where currently 73 live beneficiaries.

Source:	**ipress.ge**
Date:	**November 20, 2015**
Title:	**Elderly Boarding House Director: For 25 Years the Elderly Slept in Coats and Hats**

Tbilisi Elders Boarding House hosted a presentation of the project "Warm Elderly - Energy Efficiency Measures for Tbilisi Elders Boarding House". Before implementation of the project, Boarding House was deprived of central heating system and bed-rooms were heated with electrical devices.

All windows and doors in the building is already insulated and building outdoor walls are partially thermally insulated as well. "Due to conditions in the Boarding House, administration was unable to expand admission of elderly" – said Boarding House director to Ipress correspondent.

"Currently 75 elders do live in a Boarding House and 300 more are on a waiting list. As you already know, because of insufficient living conditions, we could not host more beneficiaries. During 25 years this building was deprived of heat and hot water, how can elder live in such conditions, who suffer from hurt, joint and other chronically illnesses?!. For a long time I was trying to solve this problem and finally, I did it. First of all with assistance of Tbilisi City Hall Mayor, who during pre-election period promised in case of his election on the post, he would solve this problem and he has kept his promise of course with help of other co-financing organizations. For a long time our tenants slept in coats, hats and trousers, unable to visit dining room, we were serving meals at their living rooms" – said the Tbilisi City Hall Mayor.


Source:	**CENN.org**
Date:	**November 25, 2015**
Title:	**"Warm Up the Elderly – Energy Efficiency Measures for Tbilisi Elders Boarding House"**

On November 20, 2015, at Tbilisi Boarding House for Elderly the presentation of the project "Warm Elderly – Energy Efficiency Measures for Tbilisi Elders Boarding House" took place.

This multi-stakeholder project was implemented by the Energy Efficiency Center Georgia, with the co-financing from: BP and its co-ventures within its project "Renewable Energy & Energy Efficiency New Project" Tbilisi City Hall, State Fund for Protection and Assistance of (Statutory) Victims of Human Trafficking and USIAD/Winrock within its Enhancing Capacity for Low Emission Development Strategies (EC-LEDS) Clean Energy Program (ongoing).

Among invitees and guests were representatives of Ministry of Labour, Health and Social Affairs of Georgia, representatives of Ministry of Energy, representatives of BP in Georgia, representatives of USAID/Winrock, representatives of State Fund for Protection and Assistance of (Statutory) Victims of Human Trafficking, representatives of Tbilisi municipality City Hall, local district administration, Energy Efficiency Center Georgia, local media.

The implemented project represents a demonstration project with deployment of energy efficient and renewable energy solutions including: introduction of autonomous heating and hot water supply system on natural gas combined with solar thermal system, energy efficiency upgrade of most vulnerable areas of the building envelope and replacement of incandescent light bulbs with CFLs. The implemented measures along with technical and economic benefits will deliver and mitigate climate change impacts.

After opening ceremony, invited guests toured the boarding house building to view the implemented energy efficiency measures.

Source:	**TV Channel Rustavi2**
Date:	**November 25, 2015**
Title:	**News Program Kurieri**

In the light of upcoming Paris Conference on Climate Change, the Ministry of Environment and Natural Resources and UNDP Program hosted a preparatory conference dedicated to the important issues for upcoming conference as well as to Green Climate Fund concept implementation and main priorities of this direction. The conference took place at Tbilisi Marriott hotel. Presentation on Georgia's Third National Communication with regard to the Convention on Climate Change was presented at this conference.

"Today all interested parties were informed about Georgia's position and proposals. We hope that Paris Conference will be successful one and an important Agreement will be achieved on the main goal to avoid 2 degree warming in the world"-said the First Deputy Minister of Environment and Natural Resources Protection.

"We have talked and discussed Georgia's response as regards to Climate Change. Climate Change resolving is an issue that is requested by every citizen to be overcome on a national level. Georgia and South Caucasus due to this problem have faced 30 Billion US Dollars financial loss during recent years. This summer flood in Tbilisi is an evident example of this problem, when around 700 people became homeless. As a result, we all together have to fight with Climate Change related problems and UN organization will always be a partner to Georgia on this issue" - Shombi Sharp, UNDP Deputy Resident Representative.

Source:	**TV Channel 1**
Date:	**November 25, 2015**
Title:	**News Program Moambe**

Climate Change Policy in Georgia – topic was discussed at the conference. According to the recent data Global Warming has a negative impact on Georgia that is revealed in wilderness of the territories. Another problem is related to Caucasus Glaciers melting that will also have negative impact of water resources scale. Global Warming topic will be the main issue at planned conference in Paris at the end of November, where among other countries Georgia participates as well. Georgia like other countries takes a commitment to reduce GHG emissions on its territory.

"As you are already aware, Climate issue will be discussed at Paris Conference, where final decision on Climate Change for next fifteen years will be agreed among participatory countries Georgia as a responsible member of international community will present country's position and contribution. In case if Georgia refuses to accept development model that implies using of energy efficient, renewable energy resources, if we will not ensure maximum reduction of climate change negative impacts, it will be hardly for a country to maintain competitive role on the international market"-said the First Deputy Minister of Environment and Natural Resources Protection.

"If we want to know the territory, where climate change has more negative impact, this is the Black Sea coast, where it is difficult to manage processes, due to sea level raising, as a result erosion is developing, if shore flushing counted 3 meters in past times, today it reaches around 6 meters. Sea level in Adjara zone is increased by 22sm compare to the date from last century, but if we take sea coast of Poti, there due to tectonic submergence of the land, difference reaches 70sm"-said the Director of Sustainable Development Center Remissia.

Source:	**TV Channel Maestro**
Date:	**November 25, 2015**
Title:	**News Program**

Climate Change Policy in Georgia and Preparation for Paris Agreement was the topic of a conference held today. Participants of the conference discussed ongoing projects related to climate change issue and talked about country's priorities and plans in this direction. The aim of the conference is preparation of the county for the conference in Paris, which is planned to be conducted in the beginning of December. At the Climate Conference in Paris, Georgia will be represented with high level delegation led by Prime Minister.

"The foremost goal for Georgia is to get financial aid, attract attention as regards to mitigation as well as adaptation, this is an important direction where we need an additional investments in order to minimize negative impacts of climate change"-said the First Deputy Minister of Environment and Natural Resources Protection.

"UNDP is pleased to assist GoG in organizing of this conference, we express hope that world's countries governments will sign a legal document on climate change overcoming issue"-said Shombi Sharp, UNDP Deputy Resident Representative.

Source:	**https://www.facebook.com/MOEgeorgia/**
Date:	**November 25, 2015**
Title:	**Climate Change Policy in Georgia**

Hotel "Tbilisi Marriott" Conference - "Climate Change Policy in Georgia, and preparations for the Paris Agreement" was held. Participants of the meeting, Deputy Minister of Environment and Natural Resources and Deputy Resident Representative of UNDP in Georgia Shombi Sharp addressed the guests.

The aim of the conference is to inform participants about the processes in the field of climate change, where the Paris Conference for the preparation of a Green Climate Fund, as well as in the field of large-scale search for the functioning of the Fund and in the direction of the country's priorities.

The conference of the Third National Communication on Climate Change Convention was held the same day organized by Ministry of Environment and Natural Resources and the United Nations Development Programme (UNDP).

Paris Climate Change Conference will be held in Paris in December, and will be attended by signatories of the United Nations Framework Convention on Climate Change. The Georgian delegation will be headed by the Prime Minister of Georgia.

ANNEX IV: MEDIA COVERAGE REPORT (DECEMBER 2015)

USAID
FROM THE AMERICAN PEOPLE

WINROCK INTERNATIONAL
GEORGIA

ENHANCING CAPACITY FOR LOW EMISSION DEVELOPMENT STRATEGIES (EC-LEDS)

CLEAN ENERGY PROGRAM

COOPERATIVE AGREEMENT NO. 114-A-13-00008

MEDIA COVERAGE REPORT

December 2015

This publication was produced for review by the United States Agency for International Development. It was prepared by Winrock International Georgia.

ENHANCING CAPACITY FOR LOW EMISSION DEVELOPMENT STRATEGIES (EC-LEDS) CLEAN ENERGY PROGRAM

MEDIA COVERAGE REPORT

December, 2015

Source:	**Channel 9**
Date:	**December 9, 2015**
Title:	**News**

The Sustainable Energy Action Plan (SEAP) 2016-2020 was presented by the Akhaltsikhe City Hall at a special event attended by the regional administration, central government, and non-governmental organizations.

According to Akhaltsikhe Mayor, the SEAP must be implemented within the Covenant of Mayors framework to reduce CO_2 emissions. A plan to create a sustainable development agency will be drawn up and the Akhaltsikhe outdoor lighting system will be rehabilitated. The Mayor said that implementation had already begun. NGOs were also actively involved in drawing up the Action Plan and according to the Sustainable Development Center- REMISSIA, Akhaltsikhe --like other cities-- must prepare proposals on energy efficiency, renewable energy, waste treatment, and the transport sector.

Akhaltsikhe joined the Covenant of Mayors along with other national cities on October 31, 2014. As the Mayor stated, "We took the responsibility to create our Sustainable Energy Action Plan as a first requirement. Now we will work on emission reduction measures, and decrease sources of energy consumption. This event marks the beginning of the measures and the project for those who will contribute to fulfilling these requirements."

The Director of the Sustainable Energy Center- REMISSIA, said "Our organization has worked with the Akhaltsikhe City Hall to create the Action Plan. In addition to this document, we have worked with the Municipality on an energy efficient system for the outdoor lighting system of the Rabati Castle and on a project proposal to create Akhaltsikhe's Sustainable Development Agency."




Source:	**News Portal Samkhretis Karbtche**
Date:	**December 9, 2015**
Title:	**How Akhaltsikhe City Hall Plans to Save Energy**

National and regional governmental agencies and NGOs participated in discussions on Akhaltsikhe's Sustainable Energy Action Plan 2016-2020.Akhaltsikhe joined Covenant of Mayors on October 31, 2014, and made certain commitments for carrying it out.

"This is the first commitment that must be made, according to the Covenant of Mayors; then we have to work on CO_2 emissions reductions. We have prepared a project to create a Sustainable Development Agency, and the energy-efficient rehabilitation of the Rabati Castle outdoor lighting system," said Akhaltsikhe Mayor. He added that the plans have already begun to be carried out and that CO_2 emissions should be reduced by a minimum of 20% by 2020.

Several NGOs were actively involved in creating the Action Plan. In addition to Akhaltsikhe, twelve other Georgian cities have joined the Covenant. The Director of Remissia, the Sustainable Energy Center said, "Our organization works with Winrock Georgia on this project financed by the United States Agency for International Development, which helps municipalities create Sustainable Energy Action Plans. Like other cities, Akhaltsikhe must not only prepare the Action Plan, but elaborate concrete proposals to promote energy efficiency and renewable energy, waste treatment, and transport sector CO_2 reductions."

Source:	**Rustavi 2**
Date:	**December 11, 2015**
Title:	**Kurieri**

The issue of hazardous emissions reductions was discussed at the Tbilisi City Hall. Tbilisi Mayor, presented results of work carried out and future plans to the Heads of City Services and subordinate bodies. In 2016 the old public bus fleet will be replaced by 150 environmentally friendly buses, a project supported by EBRD, which has allocated 30 million euro to this end.

Tbilisi Mayor stated, "We have made efforts to reduce emissions and hazardous gases. In 2016 two new projects will be featured: the renewal of the municipal transport fleet, and the installation to collect harmful gases at the Lilo garbage landfill."

Head of the Economic Policy Office in Tbilisi City Hall said, "Improvements will be made in the transport sector, by increasing energy efficiency of buildings and more green zones within the city area. These are key directions that will contribute to reducing CO_2 emissions 20% by 2020."

Source:	**CENN Network**
Date:	**December 11, 2015**
Title:	**Energy Efficiency Is a Smart Choice – Youth EE Event Continues in Mtskheta-Mtianeti Region**

The USAID-supported Enhancing Capacity for Low Emission Development Strategies (EC-LEDS) Clean Energy Program empowers youth through training on energy efficiency and renewable energy technologies. Students from the villages of Misaktsieli, Dzveli Kanda, Akhaldaba, Tsilkani, Ksovrisi, Jinvali, Tchartali, and Khevsurtsopeli took part in a Youth Energy Efficiency Event on December 15, 2015 at 13:30 pm, to discuss energy efficiency contributing to climate change mitigation.

The students were selected from Momavlis Taoba (Future Generation) program partner schools in the 9th to 11th grades of Mtskheta, Mtianeti, and Dusheti Municipalities in collaboration with the Mtskheta-Mtianeti Anti-Violence Committee Network of Georgia. The Committee implements the Momavlis Taoba project with 27 partner public schools in the region. The Momavlis Taoba program, funded by USAID, is being implemented in Georgia by PH International and supported by the Ministry of Education and Science of Georgia.

During the event, carried out in the Misaktsieli School, students were given a presentation on "How to Save Energy". This was followed by a contest, "Energy Efficiency is a Smart Choice", to demonstrate the Energy Efficiency skills acquired at the seminar. This seminar was carried out by the Dean of the Energy and Telecommunications Faculty at Georgian Technical University, Professor Gia Arabidze. Professor Arabidze described energy efficiency, ways of saving energy, the energy audit, energy efficiency in residential sectors, energy efficient technologies, simple tips to save energy at home, energy-efficient appliances, renewable energies, energy efficient/renewable energy projects carried out with donor support as well as energy efficiency and climate change. The winners received medals, and all students were given participation certificates.

The EC-LEDS Clean Energy Program is supported by USAID and implemented by Winrock International Georgia. Through this project, USAID supports Georgia's efforts to increase climate change mitigation through energy efficiency and clean energy activities and enable more responsible management and development of Georgia's natural resources.

ANNEX V: REPORT ON EC-LEDS YOUTH EE EVENT

USAID FROM THE AMERICAN PEOPLE

WINROCK INTERNATIONAL GEORGIA

ENHANCING CAPACITY FOR LOW EMISSION DEVELOPMENT STRATEGIES (EC-LEDS) CLEAN ENERGY PROGRAM

COOPERATIVE AGREEMENT NO. 114-A-13-00008

REPORT ON EC-LEDS YOUTH ENERGY EFFICIENCY EVENT

December 2015

This publication was produced for review by the United States Agency for International Development. It was prepared by Winrock International.

ENHANCING CAPACITY FOR LOW EMISSION DEVELOPMENT STRATEGIES/EC-LEDSCLEAN ENERGY PROGRAM

REPORT ON EC-LEDS YOUTH ENERGY EFFICIENCY EVENTS

December, 2015

EXECUTIVE SUMMARY

The EC-LEDS Youth Energy Efficiency Event was held in Misaktsieli village on December 15th, 2015. Participants of the event were youth in the 9th-12th grades selected from the "Momavlis Taoba" (Future Generation) Program. The purpose of the event was to involve youth in energy efficiency, contributing to climate change mitigation.

This report presents a description, the list of participants, and an overview of materials used for the event.

YOUTH EE EVENT

PARTICIPANTS

The EC-LEDS Youth Energy Efficiency Event was attended by a total of 38 youth in the 9th to 12th grades and five teachers from the villages of Misaktsieli, Dzveli Kanda, Akhaldaba, Tsilkani, Ksovrisi, Jinvali, Tchartali and Khevsurtsopeli (21 females, 22 males).

Full lists of participants are provided in **Attachment A**.

CONTENT

The EC-LEDS Youth Energy Efficiency Events were two and a half hours long, of which the first two hours were dedicated to "How to Save Energy". The seminar covered the following topics:

- **What is Energy Efficiency**: A brief introduction to energy efficiency and explanation of energy terms.
- **Ways to Save Energy:** Various ways to save energy and the energy audit.
- **Information Campaigns**: A brief description of advertising and information campaigns about energy efficiency.
- **The Importance of Energy Efficiency**: The importance of energy efficiency with regard to the rational use of energy, energy security of the state, and the importance of energy efficiency for Georgia.
- **Energy Efficiency in the Residential Sector**: How to save energy at home.
- **Energy Efficient Technologies**: An introduction to technologies and appliances.
- **Renewable Energies**: Renewable energy sources were discussed with examples of technologies and how to use them.
- **Energy Efficient Projects**: Some energy efficient projects supported by donor organizations.

In the second part of the event the students participated in contests and were given simple EE tests covering the topics of the session. The top three winners were awarded with medals. All students and teachers were awarded with participation certificates. The contest questionnaires are provided in **Annex B**.

PRESENTER

The EC-LEDS Youth energy efficiency events were conducted by Dean of Energy and Telecommunications Faculty at Georgian Technical University. The seminar topics and presentation were developed specifically for EC-LEDS Youth Energy Efficiency Event by presenter in cooperation with EC-LEDS staff.

VENUE, TIMING AND LOGISTICS

The EC-LEDS Youth Energy Efficiency Event was held in Misaktsieli Public School, Misaktsieli village, Mtskheta Municipality. The materials were in Georgian and the events were free for all participants.

The event was organized by EC-LEDS in collaboration with PH International within the framework of the USAID-supported "Momavlis Taoba" (Future Generation) Program.

CONCLUSION

Youth participated actively, with questions and lively discussions. All participants noted the importance of organizing similar events, as such meetings contributed to their awareness of the subjects. They were satisfied with all aspects of the training and confirmed that the presentations met their expectations. After the events, students made commitments to conduct simple home energy audits and spread the word about energy saving among their families and schools.

ATTACHMENT A: CONTEST QUESTIONNAIRE

"Energy Efficiency Is A Smart Choice"

Name, Surname _____

City _____

School#_____

Please select the correct answer:

1. Location of a refrigerator near heating devices affects the efficiency of its operation:

a. Positively _____

b. Negatively _____

2. A TV set in stand-by mode consumes electricity:

a. Yes _____

b.No _____

3. What is the impact of hot dishes placed in the refrigerator?

a. Reduces energy consumption of the appliance _____

b. Increases energy consumption of the appliance _____

4. Is it more efficient to read a book by the window to use daylight efficiently?

a. Yes _____

b.No _____

5. When using water heater tank (e.g. Thermex) should the regulator be set at the maximum position?

a. Yes _____

b. No _____

6. In order to maintain warmth in the room generated from fire place or wood stove, is there a need to lower or close the cover in case of their extinguishment?

a. Yes _____

b.No _____

7. 80% of consumed energy in a dwelling is consumed by:

a. Heating _____

b. Cooking _____

c .Water heating__ _____

8. Is it possible to detect a draught's direction with a candle?

a. Yes _____

b. No _____

9. Is it necessary to ensure air tightness of doors and windows to reduce energy consumption?

a. Yes _____

b. No _____

10. Can packaging tape ensure energy saving if it is fixed on both sides of a cracked window glass?

a. Yes _____

b. No _____

11. Is it more efficient to open a window frequently and for a short time to air a storage area?

a. Yes _____

b. No _____

12. When do we spend more energy: while taking a bath or a shower?

a. Bath_____

b. Shower _____

13. When cooking, can improperly selected saucepans be a cause for energy loss?

a. Yes _____

b. No _____

14. When cooking, should a pan fit the size of the burners?

a. Yes _____

b. No _____

15. A rounded bottom or wrong size of a pan prolongs cooking time by:

a. 10% _____

b. 40% _____

c120% _____

16. Can a label fixed on home appliances help us detect the energy efficiency of an appliance?

a. Yes _____

b. No _____

17.Can we save energy if we turn the TV set off of stand-by mode?

a. No _____

b. Yes _____

18. In order to save energy one should start ironing:

a.From the lowest temperature _____

b. From the highest temperature _____

19. Is it possible to get the same light from 25 watt bulb as from 100 watt bulb?

a. Yes _____

b. No _____

20. By using modern energy efficient bulbs, we can reduce energy consumption by:

a. 15% _____

b.60% _____

c.100% _____

Correct Answers

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
b	a	b	a	b	a	a	a	a	a	a	a	a	a	b	a	a	a	a	b

ATTACHMENT B: AWARDS

Certificate

Caps, T-shirts, and Pens

Medals

ATTACHMENT C: PHOTOS